CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/CNSM/W.No.01/CSR-09/136p/CUBE/2016-17 18.03.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*Customer	: **Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore.
*Agency	: **Mr. C.N.S. Murthy,** No.12, Srimatha, 3rd Cross, SVC, NSS layout, 3rd Stage, 4th Block, Basaveshwaranagar, Bangalore – 560 079.
*Name of the work	: Construction of Additional Class rooms, toilet and Auditorium and Providing office accessories to Yelahanka Government Degree College, Yelahanka Bangalore in Ward No.01, BBMP, Bangalore.
Reference	: EE(Project)/Ynk Zone/WO/20/2016-17 Dated: 01.09.2016
*Sample ID	: Roof Concrete - Second Floor (North West Toilet)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
*Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day
Sample Received on	: 18.03.2017

Sl.No.	*Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.02.2017	18.03.2017	8.110	607.3	26.99
2	18.02.2017	18.03.2017	8.280	620.5	27.58
3	18.02.2017	18.03.2017	8.339	625.5	27.80

*Information is furnished by the Customer/Representative.

Note:

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3. Any Query regarding the report must be reported within 30 days from the date of testing.

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Job No.: CTCE/BBMP/CNSM/W.No.01/CSR-09/136p/CUBE/2016-17 15.01.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer** : **Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. C.N.S. Murthy,**
No.12, Srimatha, 3rd Cross, SVC, NSS layout, 3rd Stage, 4th Block, Basaveshwaranagar, Bangalore – 560 079.

*** Name of the work** : Construction of Additional Class rooms, toilet and Auditorium and Providing office accessories to Yelahanka Government Degree College, Yelahanka Bangalore in Ward No.01, BBMP, Bangalore.

*** Reference** : EE(Project)/Ynk Zone/WO/20/2016-17 Dated: 01.09.2016

*** Sample ID** : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{20}

Compressive Strength as on : 28th day

Sample Received on : 15.01.2017

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.12.2016	15.01.2017	8.364	510.3	22.68
2	18.12.2016	15.01.2017	8.152	484.5	21.53
3	18.12.2016	15.01.2017	8.248	499.7	22.21

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Job No.: CTCE/BBMP/CNSM/W.No.01/CSR-09/136p/CUBE/2016-17 11.02.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer** : **Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. C.N.S. Murthy,**
No.12, Srimatha, 3rd Cross, SVC, NSS layout, 3rd Stage, 4th Block, Basaveshwaranagar, Bangalore – 560 079.

*** Name of the work** : Construction of Additional Class rooms, toilet and Auditorium and Providing office accessories to Yelahanka Government Degree College, Yelahanka Bangalore in Ward No.01, BBMP, Bangalore.

*** Reference** : EE(Project)/Ynk Zone/WO/20/2016-17 Dated: 01.09.2016

*** Sample ID** : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{20}

Compressive Strength as on : 28th day

Sample Received on : 11.02.2017

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.01.2017	11.02.2017	8.156	498.2	22.14
2	14.01.2017	11.02.2017	8.287	508.4	22.60
3	14.01.2017	11.02.2017	8.326	523.6	23.27

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Job No.: CTCE/BBMP/CNSM/W.No.01/CSR-09/136p/CC Solid Block/2016-17 : 24.12.2016

TEST REPORT ON SOLID CONCRETE BLOCKS

*** Customer** : **Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. C.N.S. Murthy,**
No.12, Srimatha, 3rd Cross, SVC, NSS layout, 3rd Stage, 4th Block,
Basaveshwaranagar, Bangalore – 560 079.

*** Name of the Work** : Construction of Additional Class rooms, toilet and Auditorium and Providing office accessories to Yelahanka Government Degree College, Yelahanka Bangalore in Ward No.01, BBMP, Bangalore.

Reference : EE(Project)/Ynk Zone/WO/20/2016-17 Dated: 01.09.2016

Sample Received on : 20.12.2016

Date of Testing : 24.12.2016

Size of Blocks : 400mm x 200mm x 200mm

Cross Sectional Area : 80000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 08

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	35.63	258.9	3.24	Minimum required Compressive Strength of Individual Units 3.20 N/mm^2
2	Block 2	34.87	262.3	3.28	
3	Block 3	35.12	263.1	3.29	
4	Block 4	36.52	264.3	3.30	
5	Block 5	35.89	260.3	3.25	
6	Block 6	34.52	262.3	3.28	
7	Block 7	35.74	261.3	3.27	
8	Block 8	35.23	259.6	3.25	

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Job No.: CTCE/BBMP/CNSM/W.No.01/CSR-09/136p/CC Solid Block/2016-17 : 24.12.2016

TEST REPORT ON SOLID CONCRETE BLOCKS

* Customer	: **Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore.
* Agency	: **Mr. C.N.S. Murthy,** No.12, Srimatha, 3rd Cross, SVC, NSS layout, 3rd Stage, 4th Block, Basaveshwaranagar, Bangalore – 560 079.
* Name of the Work	: Construction of Additional Class rooms, toilet and Auditorium and Providing office accessories to Yelahanka Government Degree College, Yelahanka Bangalore in Ward No.01, BBMP, Bangalore.
Reference	: EE(Project)/Ynk Zone/WO/20/2016-17 Dated: 01.09.2016
Sample Received on	: 20.12.2016
Date of Testing	: 24.12.2016
Size of Blocks	: 400mm x 100mm x 200mm
Cross Sectional Area	: 40000 mm^2
Technical Reference	: IS: 2185 (Part 1) - 2005
No. of Blocks Tested	: 08

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	17.25	131.8	3.30	Minimum required Compressive Strength of Individual Units 3.20 N/mm^2
2	Block 2	18.65	132.6	3.32	
3	Block 3	18.32	133.4	3.34	
4	Block 4	17.48	131.7	3.29	
5	Block 5	17.69	129.3	3.23	
6	Block 6	18.56	133.9	3.35	
7	Block 7	17.42	132.4	3.31	
8	Block 8	17.53	131.8	3.30	

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